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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/632,120	07/31/2003	Stefan Mueller	13911-042001 / 2002P10157	1844
32864	7590	02/10/2006	EXAMINER	
FISH & RICHARDSON, P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022			PANNALA, SATHYANARAYA R	
			ART UNIT	PAPER NUMBER
			2164	

DATE MAILED: 02/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/632,120

Applicant(s)

MUELLER ET AL.

Examiner

Sathyanarayan Pannala

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>3/3/2005</u> | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. Application No. 10/632120 filed on 7/31/2003 has been examined. In this Office Action, claims 1-25 are pending.

#### ***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on 4/7/2003, 6/30/2003 and 11/31/2003 are in compliance with the provisions of 37 CFR 1.97 and have been considered by the examiner.

#### ***Claim Objections***

3. Claims 5 and 23 are objected to because of the following informalities: The claim has typo errors on line 2 "information about groups of of entities". Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 101***

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. Claims 19-25 are rejected under 35 U.S.C. § 101, because none of the claims are directed to statutory subject matter. Independent claim 19 is directed to an article for manufacture comprising a computer readable medium all non-statutory subject matter.

***Claim Rejections - 35 USC § 102***

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Tabbara et al. (US Patent 6,460,043) hereinafter Tabbara.

8. As per independent claims 1, 19, Tabbara teaches method for querying data stored on a computer includes creating a dictionary of conceptual information and physical information about data (col. 3, lines 7-12). Tabbara teaches the claimed, receiving from an application a semantic request having a request name that semantically identifies a type of information sought by the request (Fig. 4c, col. 8,

lines 14-18, lines 24-26 and lines 32-34). Tabbara teaches the claimed, converting the received semantic request to a generic request having corresponding request parameters (Fig. 4c, col. 8, line 64 to col. 9, line 28). Tabbara teaches the claimed, transmitting the converted request to a data access system (Fig. 3, col. 6, lines 45-48). Tabbara teaches the claimed, receiving data from the data access system corresponding to the converted request (Fig. 3, 9, col. 11, lines 29-42). Tabbara teaches the claimed, providing the data to the application (Fig. 4A, col. 7, lines 23-28).

9. As per dependent claims 2, 20, Tabbara teaches the claimed, typecasting the data received from the data access system before providing the data to the application (Fig. 9, col. 11, lines 29-42).

10. As per dependent claims 3, 21, Tabbara teaches the claimed, the semantic request comprises a uniform resource identifier (Fig. 4b, col. 8, lines 4-10).

11. As per dependent claims 4, 22, Tabbara teaches the claimed, creating an object for receiving and converting the semantic request, opening a database connection corresponding to the semantic request, and requesting properties of data corresponding to the semantic request, if a database connection has not previously been opened (Fig. 3, 5B, col. 8, lines 24-34).

12. As per dependent claims 5, 23, Tabbara teaches the claimed, the object is a group object configured to access information about groups of entities (Fig. 8B, col. 11, lines 1-4).

13. As per dependent claims 6, 24, Tabbara teaches the claimed, the created object requests the properties of a resource corresponding to the converted request (col. 14, lines 32-35).

14. As per dependent claims 7, 25, Tabbara teaches the claimed, the converted request comprises parameters corresponding to, but not present in, the semantic request (col. 14, lines 36-39).

15. As per independent claim 8, Tabbara teaches method for querying data stored on a computer includes creating a dictionary of conceptual information and physical information about data (col. 3, lines 7-12). Tabbara teaches the claimed, identifying a generic data access command for communicating with a data access system (Fig. 3, col. 6, lines 37-42). Tabbara teaches the claimed, creating a semantic data access command that corresponds to the generic data access command (Fig. 4C, col. 8 lines 1-26, and col. 17, lines 61-67). Tabbara teaches the claimed, and providing a semantic object configured to receive the semantic data access command from an application, and provide a corresponding generic data access command to a data access system (Fig. 5B, col. 8, lines 64-66).

16. As per dependent claim 9, Tabbara teaches the claimed, the semantic data access command comprises a uniform resource identifier(Fig. 4b, col. 8, lines 4-10).

17. As per dependent claim 10, Tabbara teaches the claimed, the semantic object is configured to open a database connection corresponding to the semantic data access command and request properties of data corresponding to the semantic data access command, if a database connection has not previously been opened (Fig. 3, 5B, col. 8, lines 24-34).

18. As per dependent claim 11, Tabbara teaches the claimed, the generic data access command comprises parameters corresponding to, but not present in, the semantic data access command (col. 14, lines 36-39).

19. As per independent claims 12, Tabbara teaches method for querying data stored on a computer includes creating a dictionary of conceptual information and physical information about data (col. 3, lines 7-12). Tabbara teaches the claimed, a plurality of user applications configured to receive requests from, and present data to, one or more users of the system; a semantic object that is accessible by one or more of the user applications using a name that semantically suggests the action to be performed by the semantic object, the semantic object producing in response to a request from the one or more user applications, a generic data request having one or more parameters that

convey information relating to the request; and a repository system that receives the generic data request and responds to the semantic object with data corresponding to the request. This claim is rejected under the same rationale as the claim 8.

20. The system of claim 13, Tabbara teaches the claimed, the semantic object type casts the data corresponding to the request to the user application (Fig. 9, col. 11, lines 29-42).

21. The system of claim 14, Tabbara teaches the claimed, the semantic object type casts the data corresponding to the request before passing the data to the user application (Fig. 9, col. 11, lines 29-42).

22. The system of claim 15, Tabbara teaches the claimed, a semantic object provider configured to give access to prepared semantic objects in response to a request from a user application (Fig. 3, col. 6, lines 38-41).

23. The system of claim 16, Tabbara teaches the claimed, the semantic object provider accepts additional semantic objects after the system has been established (Fig. 3, col. 6, lines 38-41).



24. The system of claim 17, Tabbara teaches the claimed, the semantic object provider is configured to access semantic objects over a remote communication link (Fig. 2, col. 5, lines 54-67).

25. The system of claim 18, Tabbara teaches the claimed, a portal that provides access to the user applications (Fig. 2, col. 6, lines 7-11).

### ***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sathyanarayan Pannala whose telephone number is (571) 272-4115. The examiner can normally be reached on 8:00 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Sathyanarayan Pannala  
Examiner  
Art Unit 2164

srp  
February 6, 2006